

flowing cooling air through the heat exchanger assembly such that ambient cooling air flows in series through the one of the first heat exchanger portions and the one of the second heat exchanger portions, and ambient cooling air flows in series through the other of the second heat exchanger portions and the other of the first heat exchanger portions.

Abstract of Disclosure

[0078] A combined radiator and charge air cooler package includes a radiator having upper and lower portions for cooling engine coolant and a charge air cooler having upper and lower portions for cooling charge air. The upper charge air cooler portion is disposed in overlapping relationship and adjacent to the upper radiator portion, and the lower charge air cooler portion is disposed in overlapping relationship and adjacent to the lower radiator portion. The upper charge air cooler portion and the lower radiator portion are aligned in a first plane, and the lower charge air cooler portion and the upper radiator portion are aligned in a second plane, behind the first plane. Ambient cooling air may flow in series through the upper charge air cooler portion and the upper radiator portion, and also through the lower charge air cooler portion and the lower radiator portion.